tangent

DAB TABLE RADIO

USER MANUAL
MODE D'EMPLOI
BEDIENUNGSANLEITUNG
INSTRUCTIEHANDLEIDING
BETJENINGSVEJLEDNING
BRUKSANVISNING
KÄYTTÖOHJE
ISTRUZIONI PER L'USO
MANUAL DEL USUARIO
MANUAL DO UTILIZADOR

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UK

IMPORTANT INFORMATION

Congratulations on your new radio. Please read this manual carefully to avoid malfunction and damage to the clock radio and to ensure that the radio will be a source of great pleasure to you for a very long time.

1. Do not expose the clock radio to direct sunlight, high humidity, dirt, heavy vibration or extreme temperatures.
2. Place the unit on a solid and plane surface.
3. Make sure that there is sufficient ventilation around the clock radio. Do not place the unit on a soft surface such as a carpet. Make sure that there is a clearance of 20 cm behind the unit.
4. Do not open the cabinet. Only qualified technicians are allowed clean the internal parts.
5. Make sure that liquid and foreign matter cannot penetrate the unit.
6. If service or repair is required, this must be carried out by qualified technicians.
7. Unplug the unit in the following cases:

   A. The mains plug or the mains cable is defective.
   B. Foreign matter or liquid has penetrated the radio.
   C. The unit cannot be operated properly.
   D. The unit has fallen down or the cabinet has been damaged.

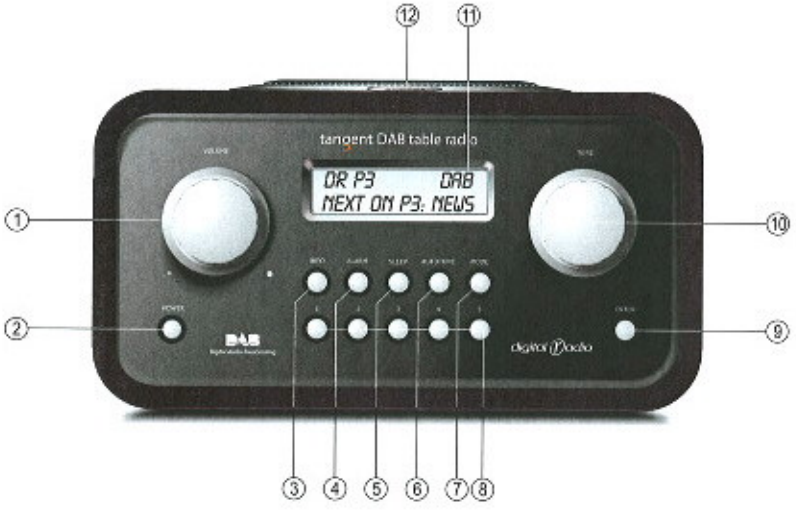
8. Store this instruction manual carefully for future reference.
9. Use a duster or a slightly damp, soft and non-fluffy rag to clean the radio.
10. Do not use corrosive or strong cleaning agents. Make sure that no moisture penetrates the radio during cleaning. Unplug the unit before cleaning.
11. Check that the mains voltage indicated on the back of the clock radio corresponds to the mains voltage that the unit is connected to.
12. Unplug the unit if the clock radio is not to be used for a long time.

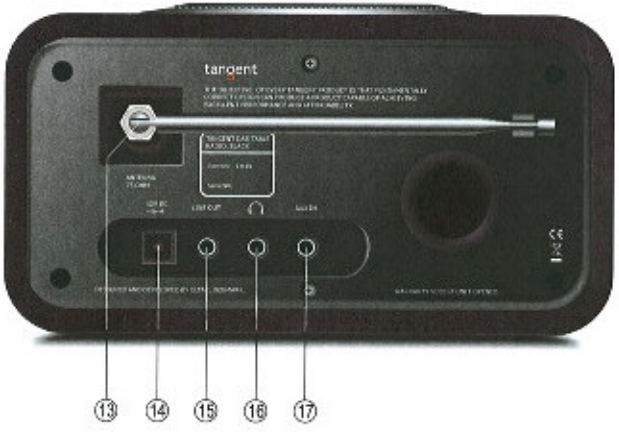
Disclaimer

Despite extensive efforts we cannot guarantee that the technical data indicated are correct, complete and updated. We reserve the right to make technical changes without notice.

FRONT AND REAR PANEL

UK





FRONT AND REAR PANEL

1. **VOLUME:** Turn the volume knob to the right to increase the volume or to the left to decrease the volume of the speakers. This knob will also control the volume of headphones when connected.
2. **POWER:** Press this button to turn the unit on and set it into standby
3. **INFO:** Press this button to change between DAB information (program information, time and date, signal strength, etc.).
   Note: Not all station send out all the above mentioned informations.
4. **ALARM:** This button sets the alarm function on and off. Press and hold the button to set the alarm time and source.
5. **SLEEP:** This button sets the sleep timer. When the sleep timer is activated the Tangent DAB table radio will turn off after 15, 30, 45, 60, 75 or 90 minutes.
6. **AUTO TUNE:** Press once in DAB mode to quick scan for DAB stations. Press and hold the button for two seconds in DAB mode to make a full scan for DAB station.
   Press the button in FM mode to scan up in frequency. Press and hold the button in FM mode to scan down in frequency.
7. **MODE:** This button changes between DAB and FM mode.
8. **1-5 DIGITS:** Selects the station saved at the current number. If the button is pressed for more than two seconds, a station will be saved at the current number.
9. **ENTER:** This button confirms your choice when choosing DAB stations or setting the alarm
10. **TUNE:** Turn the tune knob to the right or to the left to change the frequency range, or to select between the found DAB stations.
11. **LCD DISPLAY:** Liquid Crystal Display. The display shows information such as the radio station name, date and time, signal strength, etc.
12. **SNOOZE:** (On top of the clock radio) Press this button during an alarm to delay the alarm for 5 minutes.
    When the unit is on the SNOOZE button works as a MUTE button.
13. **ANTENNA:** The Tangent DAB table radio comes with a telescopic antenna. To improve FM or DAB reception, adjust the antenna for the best reception.
14. **POWER INPUT:** Use this input to connect the included Tangent DAB table radio power supply.
15. **LINE OUTPUT:** The Tangent DAB table radio can be used as a separate tuner by connecting it to an amplifier or a receiver.
16. **HEADPHONE:** Connect a separate headset to this connecter to listen to Tangent DAB table radio with a headset. Inserting a headset will turn off the main speaker
17. **AUX INPUT:** Connect a stereo or mono audio source to this input. (Like a CD player or a TV)

Connecting the radio

Place the radio on a plain surface. Connect the included adaptor to the radio. Check that all other connections have been made correctly before inserting the mains plug into the wall socket. Check that the mains voltage is 230-240V AC50Hz before turning on the power.

The Tangent DAB table radio will go into standby and is ready for use.

Turn the unit on by pressing the power button on the front panel. The display will show the message below.

When the radio is in standby, you can see what mode the radio will start up in, when it is turned on next time. The radio will display either DAB and the time or FM and the time. The display will not be as brightly illuminated in standby mode, as when the unit is turned on.

DAB mode

When the radio is on, select DAB mode by pressing the MODE button until the message below appears in the display.

Scanning for station in DAB mode

When the unit has been turned on, channels must be saved. This is done by means of the autotune function.

Press the AUTOTUNE button for two seconds. An international search(Full scan) will be initiated. **Note:** If the button is only pressed once, the unit will re scan for the channels already found.

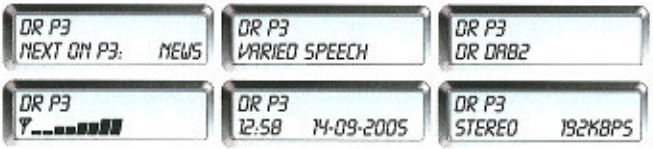
The messages below to the right will be shown when tuning. The picture below to the left, showing the number of channels found, will be shown when tuning is finished.

Manual tuning in DAB mode

It is possible to do a manual scan in DAB mode. When the radio is in DAB mode, press and hold the INFO button for 2 seconds, and then press ENTER. The manual tuning mode will be activated, and the TUNE knob can be used to tune up and down. When a frequency with station is found, press enter and you will be able to choose between the station at the current frequency. Confirm your choice by pressing ENTER.

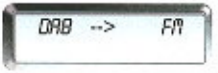
USING THE RADIO

Using the INFO function..
This tuner features information possibilities on DAB that resemble RDS as we know it from FM. To activate this information from DAB, you must press the INFO button on the front panel. The display will show information about for instance time and date, name of station, name of artist, title, signal strength, etc.



Saving a station to a preset.
If you want to save a channel under one of the five presets, you must press down the button with the number concerned for two seconds. When the channel has been saved and you wish to listen to that channel, press the button with the number that you have saved the channel under. The procedure is the same for both FM and DAB.
Channels that have not been saved can be selected by means of the TUNE knob on the front panel. Note that if the channel is selected by means of the TUNE knob, you must confirm your choice by pressing the ENTER button.
Note: If you press and hold the ENTER button for 2 seconds, you will set the auto enter function on and off. When the auto enter function is on, it is not needed to press enter to confirm your choice of station.

FM mode
When the radio is on, select FM mode by pressing the MODE button until the message below appears in the display.



Scanning for station in FM mode
To scan for stations in FM mode, press the AUTOTUNE button to scan up in frequencies. To scan down in frequencies press and hold the AUTOTUNE button for two seconds. The radio will stop autotuning when it reaches a station with a adequate signal.

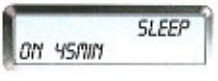
Selecting audio mode on FM
In FM mode press the ENTER button to choose between AUTO and MONO. When the audio mode is set to AUTO, the radio will in stereo in the headphones and on the line output when stereo is available. If you choose MONO the radio will force all outputs to play in MONO.
This function is used if you are trying to received a radio station with a not adequate signal. Some stations might be better received in mono when the signal strength is not adequate.

BASIC FUNCTIONS

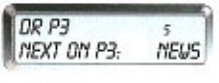
AUX mode
The unit has an auxiliary stereo input. This input can be used to connect an external CD player or similar to. The radio will change to the auxiliary input by it self when an external input is connected. To change back to listen to radio, simply disconnect the external source, and the radio will change back to radio mode.

Snooze and mute
The SNOOZE button works as MUTE button when the radio is on.
If you press the SNOOZE button after an alarm has been activated, the alarm will be delayed for 5 minutes.
When the snooze function is active, the display will show a "Z" next to the bell that indicates if the alarm has been set.

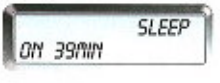
Sleep timer
The radio has a sleep timer function. This makes the radio able to turn off by it self. To activate the sleep function press and hold the SLEEP button for 2 seconds and if the sleep function should be on or off by turning the TUNE button, and confirm with ENTER. Then choose how long there should go before the radio turns off. Turn the TUNE button, the sleep time changes. Choose between 15 minutes, 30 minutes, 45 minutes, 60 minutes, 75 minutes, 90 minutes and OFF. Confirm your choise with ENTER.



When the sleep timer is activated. The display will show a little "s" on the right side.
When the POWER button is pressed, the radio will go into standby and the sleep timer function will be cancelled
It is also possible cancelling the sleep function by choosing off in the sleep timer menu, the same way as the sleep timer was set on.



Checking the sleep timer function
To check how much time are left before the sleep timer is activated. Press the SLEEP button. The display will now show if the sleep timer on or off, and how much time is left before the sleep timer is activated.



BASIC FUNCTIONS

Setting the alarm
Before setting the alarm, DAB radio station must be tuned in. The radio uses the DAB stations to set the internal clock.
To set the alarm, press and hold the ALARM button for 2 seconds to access the alarm time set mode. In the alarm time set mode, use the TUNE knob to change values in alarm time and alarm type, and confirm the choice by pressing the ENTER button.

When in the alarm time set mode the display will show the current time in the upper center of the display. The lower center of the display will show the alarm time. The lower left corner of the display will show if the alarm is ON or OFF. The lower right corner of the display will show the alarm type.
The on/off indicator in the lower left corner will start to flash, select on of off by turning the TUNE button and press enter to confirm.
Now the hour indicator of the alarm time will start to flash. Adjust the hour of the alarm time by turning the TUNE knob and confirm by pressing ENTER.
Now the minute indicator of the alarm time will start to flash. Adjust the minute of the alarm time by turning the TUNE knob and confirm by pressing ENTER.

The alarm type indicator in the lower right corner will start to flash. Adjust the alarm type by turning the TUNE knob and confirm by pressing ENTER.

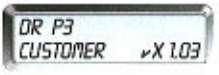
Note:
If RADIO is chosen as alarm type, the alarm can be either FM or DAB. If the alarm type must be DAB, set the radio in DAB mode and turn it off. When the alarm is activated it will start up in DAB mode.
If the alarm type must be FM, set the radio in FM mode and turn it off. When the alarm is activated it will start up in FM mode.

The alarm is now set, and the radio must be turned off, in order for the alarm to work. When the alarm is on, the display will show a bell in the right side of the screen.

To set the alarm off before it has been activated, enter the alarm time set mode and choose OFF. Confirm by pressing ENTER 4 times.
To set the alarm off after it has been activated, press the POWER button.
Note: The alarm time will be remembered to the next day.

Resetting the radio
If you want to erase your settings on the radio, including presets, alarm and sleep settings.
Press and hold the INFO button for 2 seconds. Press the INFO button once again, and press ENTER. The radio will now reset.

Displaying the firmware version
To display the firmware version, press and hold the INFO button for 2 seconds. Press the INFO button twice again. The display will show the firmware version on the second line, like on the picture below.



Press the INFO button once again to exit the mode.

Band III frequencies
Below is a list of the frequencies used for DAB on band III:

Frequency block	Freq. Mhz	Frequency block	Freq. MHz
5A	174.928MHz	10N	210.096MHz
5B	176.640MHz	10B	211.648MHz
5C	178.352MHz	10C	213.360MHz
5D	180.064MHz	10D	215.072MHz
6A	181.936MHz	11A	216.928MHz
6B	183.648MHz	11N	217.088MHz
6C	185.360MHz	11B	218.640MHz
6D	187.072MHz	11C	220.352MHz
7A	188.928MHz	11D	222.064MHz
7B	190.640MHz	12A	223.936MHz
7C	192.352MHz	12N	224.096MHz
7D	194.064MHz	12B	225.648MHz
8A	195.936MHz	12C	227.360MHz
8B	197.648MHz	12D	229.072MHz
8C	199.360MHz	13A	230.784MHz
8D	201.072MHz	13B	232.496MHz
9A	202.928MHz	13C	234.208MHz
9B	204.640MHz	13D	235.776MHz
9C	206.352MHz	13E	237.488MHz
9D	208.064MHz	13F	239.200MHz
10A	209.936MHz		

NOTES

NOTES

SPECIFICATIONS

Band:	DAB band III / FM
Frequency Range:	DAB band III 174 MHz ~ 240MHz
	FM 87,5 MHz ~ 108,0 MHz
Controls:	
	Power button, Volume knob, Tuning knob, Alarm button,
	Sleep button, Info button, 1-5 digit buttons, Auto tuning
	button, Enter button, Mode button and Snooze button
Speaker:	Full range dynamic speaker (3")
System Output:	5 Watt RMS
Connections:	3,5mm jack for stereo analog audio headphone output
	3,5mm jack for stereo analog audio AUX input
	3,5mm jack for stereo analog audio Line output
	12 V DC input
Antenna:	F-connector for DAB and FM antenna input
	DAB / FM telescope antenna included
Power:	DC 12 V
Dimensions:	209 x 118 x 145mm (W x H x D)
Weight:	2,40Kg (Power supply and radio)

DESIGN AND ENGINEERING

THE OBJECTIVE OF EVERY TANGENT PRODUCT IS THAT FUNDAMENTALLY CORRECT DESIGN CAN PRODUCE A PRODUCT CAPABLE OF ACHIEVING EXCELLENT PERFORMANCE AND AFFORDABILITY.

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